

Greece - The probabilities of a hip fracture in men

The following tables give the 10-year probability (%) of a hip fracture according to the T-score for femoral neck BMD, the number of clinical risk factors (CRF) and age. Each table provides a mean estimate and a range, based on the epidemiology of Greece. The range is not a confidence interval, but because the weight of different risk factors varies, is a true range.

Note that the BMI is set at 24 kg/m².

Age = 50 years

Number of CRFs	BMD T-score (femoral neck)										
	-4.0	-3.5	-3.0	-2.5	-2.0	-1.5	-1.0	-0.5	0	0.5	1.0
0	15	8.2	4.4	2.3	1.2	0.6	0.3	0.2	0.1	0.1	0.0
1	23 (16-29)	13 (8.6-17)	7.0 (4.6-9.1)	3.7 (2.4-4.9)	2.0 (1.3-2.6)	1.0 (0.7-1.4)	0.5 (0.4-0.7)	0.3 (0.2-0.4)	0.2 (0.1-0.2)	0.1 (0.1-0.1)	0.0 (0.0-0.1)
2	34 (22-47)	20 (12-29)	11 (6.5-16)	5.9 (3.4-8.9)	3.1 (1.8-4.7)	1.6 (1.0-2.5)	0.9 (0.5-1.3)	0.5 (0.3-0.7)	0.2 (0.1-0.4)	0.1 (0.1-0.2)	0.1 (0.0-0.1)
3	47 (31-64)	29 (18-43)	17 (9.7-26)	9.1 (5.2-15)	4.9 (2.8-7.9)	2.6 (1.5-4.2)	1.4 (0.8-2.2)	0.7 (0.4-1.2)	0.4 (0.2-0.6)	0.2 (0.1-0.3)	0.1 (0.1-0.2)
4	62 (46-78)	41 (28-57)	25 (16-36)	14 (8.7-21)	7.6 (4.7-12)	4.1 (2.5-6.4)	2.1 (1.3-3.4)	1.1 (0.7-1.8)	0.6 (0.4-1.0)	0.3 (0.2-0.5)	0.2 (0.1-0.3)
5	76 (67-86)	55 (45-69)	35 (27-47)	21 (16-29)	12 (8.5-16)	6.2 (4.5-9.0)	3.3 (2.4-4.8)	1.7 (1.3-2.6)	0.9 (0.7-1.4)	0.5 (0.4-0.7)	0.3 (0.2-0.4)
6	87	70	49	30	17	9.4	5.1	2.7	1.4	0.8	0.4

Ten year probability of hip fractures (%) according to BMD, the number of clinical risk factors (CRF) and age in men from Greece.

Age = 55 years

Number of CRFs	BMD T-score (femoral neck)										
	-4.0	-3.5	-3.0	-2.5	-2.0	-1.5	-1.0	-0.5	0	0.5	1.0
0	16	9.3	5.2	2.9	1.6	0.9	0.5	0.3	0.1	0.1	0.0
1	24 (17-30)	14 (9.8-18)	8.1 (5.4-10)	4.5 (3.0-5.6)	2.5 (1.6-3.1)	1.3 (0.9-1.7)	0.7 (0.5-0.9)	0.4 (0.3-0.5)	0.2 (0.2-0.3)	0.1 (0.1-0.2)	0.1 (0.1-0.1)
2	35 (23-47)	21 (14-29)	12 (7.7-17)	6.9 (4.2-10)	3.8 (2.3-5.6)	2.1 (1.3-3.1)	1.2 (0.7-1.7)	0.6 (0.4-0.9)	0.4 (0.2-0.5)	0.2 (0.1-0.3)	0.1 (0.1-0.2)
3	48 (33-63)	31 (20-43)	18 (11-27)	11 (6.4-16)	5.9 (3.5-9.1)	3.3 (1.9-5.1)	1.8 (1.1-2.8)	1.0 (0.6-1.5)	0.5 (0.3-0.9)	0.3 (0.2-0.5)	0.2 (0.1-0.3)
4	62 (49-76)	43 (31-57)	27 (18-38)	16 (11-23)	9.0 (5.9-14)	5.0 (3.3-7.7)	2.8 (1.8-4.3)	1.5 (1.0-2.4)	0.8 (0.6-1.3)	0.5 (0.3-0.8)	0.3 (0.2-0.4)
5	75 (68-84)	56 (48-68)	37 (31-49)	23 (18-31)	13 (11-19)	7.6 (5.9-11)	4.2 (3.3-6.0)	2.3 (1.8-3.3)	1.3 (1.0-1.9)	0.7 (0.6-1.1)	0.4 (0.3-0.6)
6	85	70	50	33	20	11	6.3	3.5	2.0	1.1	0.6

Age = 60 years

Number of CRFs	BMD T-score (femoral neck)										
	-4.0	-3.5	-3.0	-2.5	-2.0	-1.5	-1.0	-0.5	0	0.5	1.0
0	16	9.8	5.8	3.4	2.0	1.2	0.7	0.4	0.2	0.1	0.1
1	24 (17-27)	15 (10-17)	8.8 (6.1-10)	5.2 (3.6-6.1)	3.1 (2.1-3.6)	1.8 (1.2-2.1)	1.0 (0.7-1.2)	0.6 (0.4-0.7)	0.4 (0.2-0.4)	0.2 (0.1-0.3)	0.1 (0.1-0.2)
2	33 (23-43)	21 (14-28)	13 (8.6-18)	7.9 (5.0-11)	4.7 (3.0-6.4)	2.7 (1.7-3.8)	1.6 (1.0-2.2)	0.9 (0.6-1.3)	0.6 (0.3-0.8)	0.3 (0.2-0.5)	0.2 (0.1-0.3)
3	45 (33-57)	30 (21-41)	19 (13-27)	12 (7.6-17)	7.0 (4.5-10)	4.1 (2.6-6.1)	2.4 (1.5-3.6)	1.4 (0.9-2.1)	0.8 (0.5-1.3)	0.5 (0.3-0.8)	0.3 (0.2-0.5)
4	58 (47-70)	41 (32-54)	27 (20-37)	17 (12-24)	10 (7.3-15)	6.2 (4.3-9.1)	3.6 (2.5-5.4)	2.1 (1.5-3.2)	1.3 (0.9-1.9)	0.8 (0.5-1.2)	0.5 (0.3-0.7)
5	70 (64-78)	53 (47-64)	37 (32-48)	24 (21-32)	15 (13-21)	9.1 (7.6-13)	5.4 (4.5-7.6)	3.2 (2.6-4.5)	1.9 (1.6-2.7)	1.2 (1.0-1.6)	0.7 (0.6-1.0)
6	79	66	49	34	22	13	8.0	4.7	2.9	1.7	1.0

Ten year probability of hip fractures (%) according to BMD, the number of clinical risk factors (CRF) and age in men from Greece.

Age = 65 years

Number of CRFs	BMD T-score (femoral neck)										
	-4.0	-3.5	-3.0	-2.5	-2.0	-1.5	-1.0	-0.5	0	0.5	1.0
0	16	10	6.3	3.9	2.4	1.5	0.9	0.6	0.4	0.2	0.1
1	22 (16-25)	15 (10-17)	9.3 (6.6-11)	5.8 (4.1-6.8)	3.6 (2.5-4.2)	2.2 (1.6-2.6)	1.4 (1.0-1.6)	0.9 (0.6-1.0)	0.5 (0.4-0.6)	0.3 (0.2-0.4)	0.2 (0.2-0.3)
2	31 (22-38)	21 (14-26)	13 (9.2-17)	8.6 (5.8-11)	5.4 (3.6-7.0)	3.4 (2.2-4.4)	2.1 (1.4-2.7)	1.3 (0.9-1.7)	0.8 (0.5-1.1)	0.5 (0.3-0.7)	0.3 (0.2-0.4)
3	41 (32-50)	29 (21-37)	19 (14-25)	12 (8.7-17)	7.9 (5.4-11)	5.0 (3.4-6.9)	3.1 (2.1-4.3)	1.9 (1.3-2.7)	1.2 (0.8-1.7)	0.8 (0.5-1.1)	0.5 (0.3-0.7)
4	52 (44-62)	38 (31-49)	27 (21-35)	18 (14-24)	11 (8.6-16)	7.3 (5.4-10)	4.6 (3.4-6.5)	2.9 (2.1-4.1)	1.8 (1.4-2.7)	1.2 (0.9-1.7)	0.7 (0.6-1.1)
5	63 (59-71)	49 (45-59)	36 (32-45)	25 (22-32)	16 (14-22)	10 (8.9-14)	6.6 (5.6-9.1)	4.2 (3.5-5.8)	2.7 (2.3-3.7)	1.7 (1.4-2.4)	1.1 (0.9-1.5)
6	72	60	46	33	23	15	9.5	6.1	3.9	2.5	1.6

Age = 70 years

Number of CRFs	BMD T-score (femoral neck)										
	-4.0	-3.5	-3.0	-2.5	-2.0	-1.5	-1.0	-0.5	0	0.5	1.0
0	15	10	6.9	4.6	3.0	2.0	1.3	0.9	0.6	0.4	0.3
1	23 (21-29)	16 (14-21)	11 (9.6-14)	7.4 (6.4-9.5)	4.9 (4.2-6.3)	3.2 (2.8-4.2)	2.1 (1.8-2.7)	1.4 (1.2-1.8)	1.0 (0.8-1.2)	0.6 (0.6-0.8)	0.4 (0.4-0.6)
2	34 (29-42)	25 (21-31)	17 (14-22)	12 (9.6-15)	7.9 (6.4-10)	5.3 (4.2-7.0)	3.5 (2.8-4.7)	2.3 (1.9-3.1)	1.6 (1.3-2.1)	1.1 (0.8-1.4)	0.7 (0.6-1.0)
3	46 (39-54)	35 (29-42)	26 (21-32)	18 (14-23)	12 (9.7-16)	8.4 (6.5-11)	5.6 (4.3-7.1)	3.8 (2.9-4.8)	2.6 (1.9-3.3)	1.7 (1.3-2.2)	1.2 (0.9-1.5)
4	59 (51-65)	48 (40-54)	37 (30-42)	27 (21-32)	19 (15-23)	13 (9.9-16)	8.9 (6.6-11)	6.1 (4.5-7.3)	4.2 (3.0-5.0)	2.8 (2.1-3.4)	1.9 (1.4-2.3)
5	69 (62-73)	60 (52-64)	49 (41-52)	38 (31-41)	28 (22-31)	20 (16-22)	14 (11-16)	9.6 (7.4-11)	6.6 (5.1-7.5)	4.6 (3.5-5.2)	3.1 (2.4-3.5)
6	77	70	61	51	40	29	21	15	10	7.3	5.0

Ten year probability of hip fractures (%) according to BMD, the number of clinical risk factors (CRF) and age in men from Greece.

Age = 75 years

Number of CRFs	BMD T-score (femoral neck)										
	-4.0	-3.5	-3.0	-2.5	-2.0	-1.5	-1.0	-0.5	0	0.5	1.0
0	15	11	7.7	5.4	3.8	2.6	1.8	1.3	0.9	0.7	0.5
1	25 (20-46)	19 (15-37)	14 (11-28)	10 (7.6-21)	7.2 (5.3-15)	5.1 (3.7-11)	3.5 (2.6-7.7)	2.5 (1.8-5.5)	1.8 (1.3-4.0)	1.3 (0.9-2.8)	0.9 (0.7-2.0)
2	38 (27-57)	30 (20-48)	23 (15-39)	17 (11-30)	13 (7.5-23)	9.1 (5.2-17)	6.4 (3.7-12)	4.7 (2.6-8.9)	3.4 (1.9-6.5)	2.4 (1.3-4.7)	1.7 (1.0-3.4)
3	51 (35-66)	43 (27-59)	35 (20-50)	27 (15-41)	21 (11-32)	15 (7.7-24)	11 (5.4-18)	8.1 (3.9-13)	5.9 (2.8-9.7)	4.3 (2.0-7.1)	3.1 (1.4-5.1)
4	63 (45-73)	56 (36-67)	48 (28-59)	39 (21-50)	31 (16-40)	24 (11-32)	18 (8.1-24)	13 (5.9-18)	10 (4.3-14)	7.3 (3.1-10)	5.3 (2.2-7.5)
5	73 (55-78)	67 (47-73)	60 (38-67)	52 (30-59)	44 (23-50)	35 (17-40)	27 (12-31)	21 (9.2-24)	16 (6.8-19)	12 (4.9-14)	8.9 (3.6-10)
6	80	76	71	65	57	48	40	32	25	19	14

Age = 80 years

Number of CRFs	BMD T-score (femoral neck)										
	-4.0	-3.5	-3.0	-2.5	-2.0	-1.5	-1.0	-0.5	0	0.5	1.0
0	13	10	7.6	5.7	4.2	3.1	2.3	1.7	1.3	1.0	0.7
1	22 (17-42)	18 (13-34)	14 (9.9-28)	10 (7.4-22)	7.8 (5.5-17)	5.8 (4.0-13)	4.3 (3.0-9.4)	3.3 (2.3-7.2)	2.5 (1.7-5.5)	1.9 (1.3-4.2)	1.4 (1.0-3.2)
2	33 (22-53)	27 (17-45)	22 (13-37)	17 (10-30)	13 (7.7-24)	10 (5.7-19)	7.6 (4.2-14)	5.9 (3.2-11)	4.5 (2.4-8.6)	3.4 (1.8-6.7)	2.6 (1.4-5.1)
3	45 (29-61)	39 (23-55)	32 (18-47)	26 (14-40)	21 (11-33)	16 (8.0-26)	13 (6.0-21)	9.8 (4.6-16)	7.6 (3.5-13)	5.9 (2.7-9.9)	4.5 (2.0-7.6)
4	57 (38-68)	51 (31-63)	44 (25-56)	37 (20-49)	31 (15-41)	25 (12-34)	20 (8.9-27)	16 (6.9-22)	12 (5.3-17)	9.6 (4.0-14)	7.4 (3.1-11)
5	67 (47-73)	62 (40-68)	56 (34-62)	49 (27-55)	42 (22-48)	35 (17-41)	29 (13-34)	24 (10-28)	19 (8.0-23)	15 (6.2-18)	12 (4.8-14)
6	76	72	67	61	54	47	40	34	28	23	18

Ten year probability of hip fractures (%) according to BMD, the number of clinical risk factors (CRF) and age in men from Greece.

Age = 85 years

Number of CRFs	BMD T-score (femoral neck)										
	-4.0	-3.5	-3.0	-2.5	-2.0	-1.5	-1.0	-0.5	0	0.5	1.0
0	9.9	7.8	6.1	4.7	3.7	2.8	2.2	1.8	1.4	1.1	0.9
1	17 (13-34)	14 (10-28)	11 (7.9-23)	8.7 (6.2-18)	6.8 (4.8-15)	5.3 (3.7-12)	4.2 (2.9-9.2)	3.4 (2.3-7.4)	2.7 (1.8-5.9)	2.1 (1.5-4.7)	1.7 (1.2-3.8)
2	27 (17-44)	22 (14-38)	18 (11-32)	15 (8.5-26)	12 (6.7-21)	9.2 (5.2-17)	7.4 (4.1-14)	5.9 (3.3-11)	4.8 (2.6-9.1)	3.8 (2.1-7.4)	3.1 (1.6-5.9)
3	38 (23-54)	32 (18-48)	27 (15-41)	23 (12-35)	19 (9.3-29)	15 (7.3-24)	12 (5.8-20)	9.9 (4.6-16)	8.1 (3.7-13)	6.5 (3.0-11)	5.2 (2.4-8.8)
4	50 (30-62)	44 (25-56)	39 (21-50)	33 (17-44)	28 (13-38)	23 (11-32)	19 (8.6-26)	16 (6.9-22)	13 (5.6-18)	11 (4.5-15)	8.6 (3.6-12)
5	61 (40-68)	56 (34-63)	51 (29-57)	45 (24-51)	39 (19-45)	33 (16-38)	28 (13-33)	24 (10-28)	20 (8.4-24)	17 (6.8-20)	14 (5.5-16)
6	71	67	63	57	51	45	39	34	29	25	21

Age = 90 years

Number of CRFs	BMD T-score (femoral neck)										
	-4.0	-3.5	-3.0	-2.5	-2.0	-1.5	-1.0	-0.5	0	0.5	1.0
0	5.4	4.4	3.6	2.9	2.4	1.9	1.6	1.3	1.1	0.9	0.8
1	9.8 (7.1-21)	8.1 (5.8-17)	6.6 (4.7-14)	5.4 (3.8-12)	4.4 (3.1-9.8)	3.6 (2.5-8.0)	3.0 (2.1-6.7)	2.5 (1.7-5.6)	2.1 (1.5-4.7)	1.8 (1.2-3.9)	1.5 (1.0-3.3)
2	16 (9.4-29)	13 (7.8-24)	11 (6.4-21)	9.3 (5.2-17)	7.7 (4.3-14)	6.3 (3.5-12)	5.3 (2.9-10)	4.5 (2.4-8.5)	3.8 (2.0-7.2)	3.1 (1.7-6.0)	2.6 (1.4-5.1)
3	25 (13-38)	21 (11-33)	18 (8.9-28)	15 (7.3-24)	13 (6.0-20)	10 (4.9-17)	8.8 (4.1-15)	7.5 (3.4-12)	6.3 (2.9-11)	5.3 (2.4-9.0)	4.5 (2.0-7.6)
4	35 (18-46)	31 (15-41)	27 (13-36)	23 (11-31)	19 (8.8-27)	16 (7.2-23)	14 (6.1-20)	12 (5.1-17)	10 (4.3-15)	8.7 (3.6-12)	7.4 (3.1-11)
5	47 (25-53)	42 (22-48)	37 (18-43)	33 (15-38)	29 (13-33)	25 (11-29)	21 (9.0-25)	18 (7.7-22)	16 (6.5-19)	14 (5.5-16)	12 (4.6-14)
6	58	54	49	45	40	35	31	27	24	21	18